

Converting Colors

XYZ(33.1533, 16.6709, 20.5392)

Have a look what the booklet for
XYZ(33.1533, 16.6709, 20.5392)
contains.

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Color

**XYZ(33.1533, 16.6709,
20.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	DC007C
RGB	220, 0, 124
RGB Percent	86%, 0%, 49%
CMY	0.1373, 0.9998, 0.5137
CMYK	0.00, 1.00, 0.44, 0.14
HSL	326°, 100%, 43%
HSV	326°, 100%, 86%
XYZ	33.1533, 16.6709, 20.5392
YIQ	79.9160, 91.3160, 85.2040

Conversions

Conversions Part 2

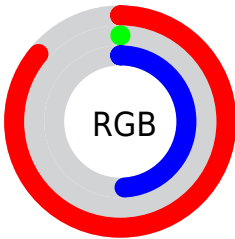
Format	Color
RYB	220, 0, 124
Decimal	14418044
CIELab	47.84, 76.78, -4.63
CIELCh	48, 76.920, 356.550
Yxy	16.6709, 0.4712, 0.2369
Android (android.graphics.Color)	4292608124 (0xFFDC007C)
YUV	79.9160, 21.7334, 122.8537
Hunter-Lab	40.8300, 73.4865, -1.2443

Details

The XYZ color **33.1533, 16.6709, 20.5392** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **27.7072, 52.0320, 19.6604**, and the grayscale version is **7.5604, 7.9541, 8.6620**.

A 20% lighter version of the original color is **52.9036, 32.0489, 44.4720**, and **15.5681, 7.8789, 7.3569** is the 20% darker color. If you saturate the color by 10%, you get **33.1520, 16.6703, 20.5325**, and if you desaturate by 10%, it is **34.0783, 17.5014, 23.9911**.

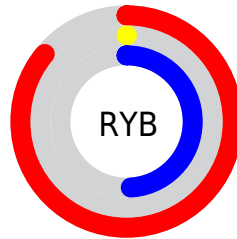
Distribution



Red (86%)

Green (0%)

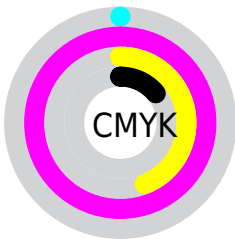
Blue (49%)



Red (86%)

Yellow (0%)

Blue (49%)

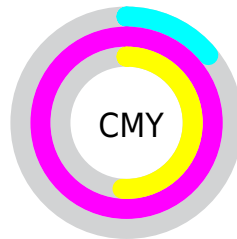


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1533, 16.6709, 20.5392 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.1533, 16.6709, 20.5392 by changing the saturation by 10% instead.


 33.1533, 16.6709,
20.5392


 33.1533, 16.6709,
20.5392


307.9927,
233.2687, 267.5195


 22.4037, 10.0001,
12.5996


 63.9679, 37.7591,
45.1902

 14.2721, 5.3990,
7.0260


 84.7636, 52.9453,
62.7386


 8.3931, 2.4832,
3.3997


 109.6387, 71.7387,
84.3272

 4.4014, 0.8682,
1.3021

 138.9585, 94.5238,
110.3743

 1.9316, 0.0000,
0.0635

 173.0885,
121.6850, 141.2985

 0.5951, 0.0000,
0.0000

 212.3940,

 0.0000, 0.0000,

153.6066, 177.5185

0.0000

257.2403,
190.6730, 219.4526

■ 33.1533, 16.6709,
20.5392

■ 33.1533, 16.6709,
20.5392

■ 33.1520, 16.6703,
20.5325

■ 34.0783, 17.5014,
23.9911

■ 35.3910, 19.0098,
27.8717

■ 37.1999, 21.4110,
32.2252

■ 39.5667, 24.8259,
37.0795

■ 42.5435, 29.3565,
42.4590

■ 46.1762, 35.0922,
48.3859

■ 50.5060, 42.1132,
54.8806

■ 55.5706, 50.4930,
61.9623

■ 61.4049, 60.2991,
69.6488

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.7184, 16.6709, 48.2441



33.1533, 16.6709, 20.5392



30.9510, 16.6709, 5.9021

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.1533, 16.6709, 20.5392



10.6171, 16.6709, 0.9563



9.5916, 16.6709, 72.0138

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.1533, 16.6709, 20.5392



27.7072, 52.0320, 19.6604

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.6835, 16.6709, 41.0274



33.1533, 16.6709, 20.5392



7.1433, 16.6709, 4.2184

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.1533, 16.6709, 20.5392



16.6582, 16.6709, 0.3989



5.9384, 16.6709, 15.9569



15.0590, 16.6709, 88.7936

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.1533, 16.6709, 20.5392



26.8523, 16.6709, 2.1708



5.9384, 16.6709, 15.9569



8.3513, 16.6709, 62.1636

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.1538, 16.6719, 20.5395



70.3928, 58.5532, 76.4261



17.6755, 7.6205, 68.2493



14.4927, 11.5963, 15.5135



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1538, 16.6719, 20.5395



46.2514, 23.2646, 28.3199



29.5998, 15.2503, 1.8247



13.3618, 13.1738, 15.1666



19.5135, 9.8064, 12.3501



1.3072, 0.6525, 1.0265

Inverse Universe

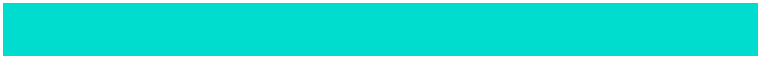
The Inverse Universe completely reimagines the original color for something new.



33.1538, 16.6719, 20.5395



46.2514, 23.2646, 28.3199



36.6538, 55.6107, 66.7727



13.3618, 13.1738, 15.1666



19.5135, 9.8064, 12.3501



1.3072, 0.6525, 1.0265

Previews

White Background



This preview shows how the XYZ color 33.1533, 16.6709, 20.5392 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.1533, 16.6709, 20.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1533, 16.6709, 20.5392

Background



This preview shows how black text looks on a background with the XYZ color 33.1533, 16.6709, 20.5392.



This preview shows how white text looks on a background with the XYZ color 33.1533, 16.6709,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.1533, 16.6709, 20.5392

Protanopia

18.3546, 17.2999, 44.4913

Deuteranopia

17.6411, 17.3382, 18.6365



Tritanopia

29.9929, 17.0258, 4.7231

Trichromacy



Original Color

33.1533, 16.6709, 20.5392



Protanomaly

19.1364, 12.5923, 33.7697



Deuteranomaly

20.2212, 13.3915, 18.6586



Tritanomaly

30.4448, 16.2675, 8.5565

Monochromacy



Original Color

33.1533, 16.6709, 20.5392



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.6552, 8.0375, 11.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1533, 16.6709, 20.5392 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 0, 124)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 0, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 124) }
```

Border

The CSS property to change the border of an element to XYZ 33.1533, 16.6709, 20.5392 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 0, 124) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(220, 0, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(220, 0, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 124);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1533, 16.6709, 20.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220, 0,  
124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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